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ABSTRACT

Disclosed is a novel melt blown spinnerette and process for making bicomponent fine fibers whereby a spinning nozzle fed by one type of polymer from one chamber is located inside another larger spinning nozzle fed by a second chamber, said nozzle pairs being arranged in multiple rows of spinning orifices, and directing high speed streams of gas to each row of spinning orifices. The design of having a nozzle inside a nozzle does not require laminar flow of layered molten masses of different polymers. The fibers made hereby have a broad fiber size distribution.